

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Product: **SILIPORITE** Page: 1 / 5

SDS No.: 971219-001 (Version 1.7) Date 11.02.2010 (Cancel and replace : 14.01.2010)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Generic Safety Data Sheet

Identification of the mixture : SILIPORITE

Grades : SILIPORITE : NK 10, NK 10 CL, NK 10 DC, NK 10 PH, NK 10 R, NK 10 RB, NK 10 RL, NK 20, NK 20 C, NK 30, NK 30 COS, NK 30 SRC, G5, G5 COS, G5 DC, G5 CO2M, G5 CO2MLZ, G5 L86, G 586, G5 SIL, 82, H3RI, SRA, SA 4, EPX, EHP, OPX K, OPX R, OPX T, 3 HS, RA, NPG 50, PHYG 1, PHYG 3, G5 O2, NITROXY 5, NPL 50, LSX, OPTISIEVE 3, OPTISIEVE 4, OPTISIEVE 5, OPTISIEVE 10, OPX M, AIRSIEV Ox8, AIRSIEV P140, AIRSIEV P180

Recommended use : Manufacture of double glazing.
Purifier for liquids and gases in many industries : printing, water treatment...
Desiccant

Supplier : CECA
Tamis Moléculaires
Adresse postale : 89 Boulevard National
92250 LA GARENNE-COLOMBES
FRANCE
Téléphone: 01 49 00 38 00
Télécopie: 01 49 00 38 01
<http://www.cecachemicals.com>

Email address : ceca.fds@ceca.fr

Emergency telephone : **+33 1 49 00 77 77**

2. HAZARDS IDENTIFICATION

Most important hazards:

Potential health effects : Dehydrating/desiccant effect.

Environmental Effects : In its normal state, this product does not present any specific risk for the environment.

Additional information : The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the mixture : Preparation containing zeolites

Hazardous components :

Chemical Name *)	EC-No.	CAS-No.	Concentration	Classification
Zeolites	215-283-8	1318-02-1	> 80 %	—
Mineral binder			> 15 %	—
Quartz (SiO ₂)	238-878-4	14808-60-7	< 3 %	—
Tridymite	239-487-1	15468-32-3	< 1 %	—
Cristobalite	238-455-4	14464-46-1	< 1 %	—
Cristalline silica, respirable fraction < 10µm	—		< 0.1 %	Xn; R48/20

*) See chapter 14 for Proper Shipping Name

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- | | |
|----------------|---|
| General advice | : Remove soiled/dirty clothing, brush well and wash carefully. |
| Inhalation | : Move patient from contaminated area to fresh air.
Blow nose.
In case of persistent problems :
Consult a physician.
If dust inhalation is severe : move operator to fresh air, wash mouth and throat with plenty of water. |
| Skin contact | : Wash immediately, abundantly and thoroughly with soap and water. |
| Eye contact | : Wash immediately, abundantly and thoroughly with water.
If irritation persists, consult an ophthalmologist.
Do not scrub the eyes. |
| Ingestion | : Immediately give large quantities of water to drink.
In case of problems : Consult a doctor. |

5. FIRE-FIGHTING MEASURES

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| Suitable extinguishing media | : Incombustible product.
Use suitable means to extinguish neighbouring fires. |
| Specific methods | : Non combustible product that reacts violently with water, foam and olefins or other adsorbable substances. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|---------------------------|--|
| Personal precautions | : Avoid breathing dust.
Do not crush, avoid the formation and spread of dust in the air. |
| Environmental precautions | : Prevent product from entering drains. |
| Methods for cleaning up | : Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal. |

7. HANDLING AND STORAGE

- | | |
|---------------------------------------|---|
| Handling | |
| Technical measures/Precautions | : Provide water supplies and ocular fountains near the point of use.
Protect from moisture/humidity. |
| Safe handling advice | : Smoking, eating and drinking should be prohibited in the application area.
Avoid contact with water, olefins and other adsorbable compounds. |
| Storage | |
| Technical measures/Storage conditions | : Keep container tightly closed in a dry and well-ventilated place. |
| Packaging material | |
| Recommended | : Watertight drums with polyethyleneliner.
Cardboard containers
Big bags.
Large flexible bulk containers. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective measures : Respect of exposure limit values relating to respirable fractions of cristalline silica can preventsilicosis and consequent cancer of the lungs.

Control parameters

Exposure Limit Values (dust)

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	2007	TWA	–	10	Inhalable dust.
EH40 WEL	2007	TWA	–	4	Respirable dust.
ACGIH (US)	2008	TWA	–	10	Inhalable particles.
ACGIH (US)	2008	TWA	–	3	Respirable particles.

Exposure Limit Values

Aluminium oxide

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	2007	TWA	–	10	–
EH40 WEL	2007	TWA	–	4	–
ACGIH (US)	2009	TWA	–	1	–

Quartz (SiO2)

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	2007	TWA	–	0.1	–
ACGIH (US)	2007	TWA	–	0.025	–

Personal protective equipment

Respiratory protection : Appropriate normalized breathing apparatus is recommended.

Hand protection : Impervious gloves

Eye protection : Safety glasses
Eye wash bottle with pure water

Skin and body protection : Protective suit

Hygiene measures : Remove immediately soaked or soiled clothing. Wash separately.
Wash immediately any affected parts of the body.
See heading 4.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C) : solid

Form : Beads or extrudates of different sizes., powder

Colour : Brown.
white

Odour : None.

pH : 8 - 11
aqueous sludge

Melting point/range : > 1,600 °C

Flash point : not applicable

Bulk density : 600 - 900 kg/m3
depending on grade

Solubility:

- Water solubility : insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid : Store protected from moisture (to maintain the technical properties of the product)

Hazardous reactions : Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

To our knowledge, no harmful effects for man under normal conditions of use.

Local effects

Skin contact : Exothermic reaction with adsorbable bodies (water), risk of superficial burns.

Eye contact : Exothermic reaction with adsorbable bodies (water), risk of superficial burns.
Possible temporary irritation due to dust.

Specific effects

Carcinogenicity : Respect of exposure limit values relating to respirable fractions of cristalline silica can preventsilicosis and consequent cancer of the lungs.
Respirable fractions of cristalline silica :
IARC : group 1 - Carcinogenic to man.
MAK value (Germany) : Category I

12. ECOLOGICAL INFORMATION

Mobility : Water: insoluble

Ecotoxicity : No known harmful effect on the aquatic environment.
Product must not be released into the environment if dangerous substances are adsorbed onto the product.
Insoluble in aqueous solution, the product can be separated by filtration or sedimentation.

13. DISPOSAL CONSIDERATIONS

Disposal of product : In accordance with local and national regulations.
If product has been used (contains adsorbed substances) : dispose of at an approved waste disposal site only.
If product not used (in original state) : dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR : not regulated

IATA Cargo : not regulated

IMDG : not regulated

15. REGULATORY INFORMATION

UK REGULATION : Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002

EEC DIRECTIVE

Safety data sheets : according to Regulation (EC) No. 1907/2006

EC classification / labelling

Dangerous Preparations : D. 1999/45/EC amended by D. 2001/60/CE

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

INVENTORIES : EINECS: Conforms to
TSCA: Conforms to
AICS: Conforms to
DSL: All components of this product are on the Canadian DSL list.
ENCS (JP): Does not conform
KECI (KR): Does not conform
PICCS (PH): Conforms to
IECSC (CN): Conforms to
NZIOC: Does not conform

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

This safety data sheet complies with international standard ISO 11014-1.

In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.

The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.

It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.

It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).
